



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/871,320	05/30/2001	K. Douglas Gennetten	10007460-1	1205

22879 7590 10/18/2005

HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

YE, LIN

ART UNIT	PAPER NUMBER
----------	--------------

2615

DATE MAILED: 10/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/871,320

Applicant(s)

GENNETTEN ET AL.

Examiner

Lin Ye

Art Unit

2615

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 August 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-14 is/are allowed.
- 6) ☒ Claim(s) 15-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/15/05 has been entered.
2. Applicant's arguments with respect to claims 15-20 filed on 8/15/05 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 15, 16, 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reeley et al. U.S. Patent 5,893,037 in view of Erkkila et al. U.S. Patent 6,219,560.

Referring to claim 15, the Reeley reference discloses in Figure 6, a camera mount comprising: a hosting device (base unit 72, see Col. 6, lines 16-18) adapted to utilize digital images including a flat surface for mounting a digital camera including a user interface (e.g.,

Art Unit: 2615

the camera/phone module 82 can be a digital camera 10 as shown in Figures 1-3; the camera 10 including LCD display 20 as a user interface, See Col. 6, lines 5-15); a first connector (interface connector 80 as shown in Figure 6) on said flat surface wherein said first connector mates to a complementary connector (connector 24 as shown in Figure 3) located on the digital camera as shown in figure 9 ; and a processor (video circuitry 76 for converting the digital image signals, See Col. 6, lines 25) in the hosting device (72) adapted to communicate the camera control unit (50) to the digital camera that is used by the digital camera user interface (LCD 20 or viewfinder 18) to provides functionality and function as a hosting device user interface (e.g. the camera control unit 50 provides an editing function to allow multiple images to be retrieved from the memory unit 52 of the hosting device, see col. 6, lines 60-64; and the hosting device other than the base unit 72, for example , a computer, CD writer, television or video recorder unit used for mounting camera, see Col. 30-32). However, the Reele reference does not explicitly show the camera control unit (50) is an identifier to define functionality and function of a hosting device.

The Erkkila reference teaches in Figures 1, 5 and 6, a camera mount system comprising: a hosting device and a digital camera (See Col. 4, lines 64-67). The digital camera comprises an expansion card 10 and an optical unit 65 as shown in Figure 1. The expansion card 10 as an “identifier” includes a microprocessor (61 as shown in Figure 6) and control program memory (EEPROM memory 62) contains a necessary control software and **identification information** by means of which the host device can determine whether the camera contains the software needed (See Col. 3, lines 45 –50). The Erkkila reference is evidence that one of ordinary skill in the art at the time to see more advantages for the digital camera has an

identifier communicate to a processor in the hosting device to define functionality and function of the hosting device, so that the host device in question will recognize the right program version on the basis of the identification information (See Col. 4, lines 4-11), and the camera mount system can offer to the users the possibility of using new additional functions in the hosting device (See Col. 3, lines 50-55). For that reasons, it would have been obvious on of ordinary skill in the art to modify the camera control unit of Reeley ('037) as an identifier for defining functionality and function of a hosting device as taught by Erkkila ('560).

Referring to claim 16, the Reeley reference discloses wherein the hosting device is a CD Writer (the base unit 72 includes a compact disc drive 78 permits the digital image data stored in the memory 52 to be **downloaded** to a CD, this can be considered as a CD Writer, see Col. 6, lines 26-30).

Referring to claim 18, the Reeley reference discloses wherein the hosting device is a device that processes digital image (the base unit 72 can be a computer that includes a video circuitry 76 for **converting** the signal image signals stored in the memory unit 52 of the camera unit 10 into a video signal, see Col. 6, lines 20-25).

Referring to claim 19, the Reeley reference discloses wherein the hosting device (base unit 72) is a CD Writer and the processor (a video circuitry 76) in the CD writer is adapted to interact with a processor (image processor 48 in Figure 3) in the digital camera to visually navigate through images stored on the CD writer and selectively display (LCD 20) the images on a display of the digital camera (e.g., the digital image data stored in the memory 52 to be downloaded to a CD in the CD Writer; therefore CD Writer acts as a external

Art Unit: 2615

memory unit for digital camera. This implicitly shows the digital camera can read the digital image data stored in the CD from CD Writer and selectively display on the LCD display 20) (It also should be noted that it's well known in the art the digital camera can read the image data stored in the memory such as memory card, CD or any type storage unit, etc., and selectively display on the LCD display).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 17 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reeley et al. U.S. Patent 5,893,037 in view of Erkkila et al. U.S. Patent 6,219,560 and Finelli U.S. Patent 4,937,676.

Referring to claim 17, the Reeley and Erkkila references disclose all subject matter as discussed in respect to claim 15, except the reference does not explicitly show the hosting device can be a printer.

The Finelli reference teaches in Figures 1-4, the camera mounted on the hosting device (printer 14, see Col. 12, lines 60-65); and the hosting device also including a digital image processor (uncompress image 114 and image enhance 116, see Col. 6, lines 12-20) as shown in Figure 3. The Finelli reference is evidence that one of ordinary skill in the art at the time

Art Unit: 2615

to see more advantages for the digital camera can be mount on the hosting device which can any devices such as printer, so that providing a compact, handheld electronic imaging system comprising both a camera and hosting device separately housed and readily interconnectable for selective use either together or apart thus reduces the price of the host device. For that reasons, it would have been obvious on of ordinary skill in the art to modify the hosting device of Reeley ('037) for providing a printer as the hosting device as taught by Finelli ('676).

Referring to claim 20, the Reeley, Erkkila and Finelli references disclose all subject matter as discussed in respected claims 15 and 17, and wherein the hosting device (72) is a printer (See Finelli reference) and the processor in the printer is adapted to interact with a processor (image processor 48 as shown in Figure 3 of Reeley reference) in the digital camera to preview image on a display (LCD 20 of Reeley or LCD 62 of Finelli) of the digital camera.

Allowable Subject Matter

7. Claims 1-14 allowed.

Please see the examiner's statement of reasons for allowance from the previous Office Action mailed on 8/26/04.

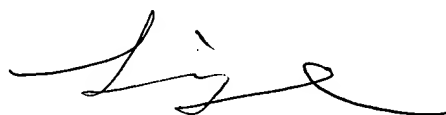
Conclusion

Art Unit: 2615

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lin Ye whose telephone number is (571) 272-7372. The examiner can normally be reached on Mon-Fri 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Lin Ye
Examiner
Art Unit 2615

October 13, 2005